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German Enigma Machine Combinations

The Enigma machine, used by Germany during World War II, was a cipher device that encrypted and decrypted secret messages. The number of possible combinations in an Enigma machine is mind-boggling. With its rotors, plugboard settings, and ring settings, the total number of possible configurations is estimated to be around **150 quintillion** (that's 150 followed by 18 zeros!). This immense number made the Enigma machine's code extremely difficult to crack, although it was eventually deciphered by Allied cryptanalysts, significantly impacting the outcome of the war.